Digital Observation Guard (DOG) Scout Kit

The Digital Observation Guard (DOG) Scout by S4 Tech is a rugged ruck-sack-portable modular security and observation system for dismounted teams and small to medium operating facilities such as safehouses, firebases, and forward operating bases. The systems are designed for tactical use in a variety of environments including urban, desert and mountainous terrain. Additional cameras and sensors including pan-tilt-zoom cameras, intrusion and perimeter detection sensors, radar, remote PC and cell phone monitoring, and scrambled wireless capabilities are available based on mission requirements. DOG systems can be networked together or integrated with other command and control systems via several interface options including the Cursor on Target and SEIWG 0100 protocols to provide mission scalable security and surveillance for most applications. The DOG Scout has been ATEC tested and DOG Scout systems have been fielded by the US Army and NATO.

The DOG Scout is a rapidly-deployable security and surveillance system that has been designed to be ruck sack portable, rugged, cost effective, easy to field install, and that requires little to no maintenance. All components are under 7lbs with most under 5lbs. The DOG Scout kit contains 4 low-light camera modules with covert IR illuminators, 5 thermal cameras, and 8 sensors that all use standard CAT-5 cabling for all power and signal connections out to 500m. This allows even untrained individuals the ability to install the system with common tools. An added benefit to this system is that it requires no additional power at remote camera/sensor locations which is a departure from other systems. DOG Scout capabilities include video motion detection, external alarm inputs from various types of detectors, NTSC or VGA monitors, IP networking, remote PC, tablet, or cell phone monitoring, and digital video recording and playback of both scheduled archives and alarm clips. Email and paging can be added based on local infrastructure. The DOG Scout Kit, minus the CAT-5 network cabling, is packaged in two portable rugged transport cases which meet all airline transport requirements as seen in the figure below.

DOG Scout Kit

As seen in the figure above the standard configuration ships in two transit cases which hold 9 cameras (4 mini thermal cameras, one long range thermal camera, 4 CCTV cameras), 8 sensors (4 PIR and 4 break beam), and 2 covert IR illuminators along with the Base Station, rugged LED monitor, and brackets, cables, etc. The user will select the appropriate components for the mission from the kit. As seen below there are many component options to support multiple configurations.

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GSA Contract: GS07F-0439U

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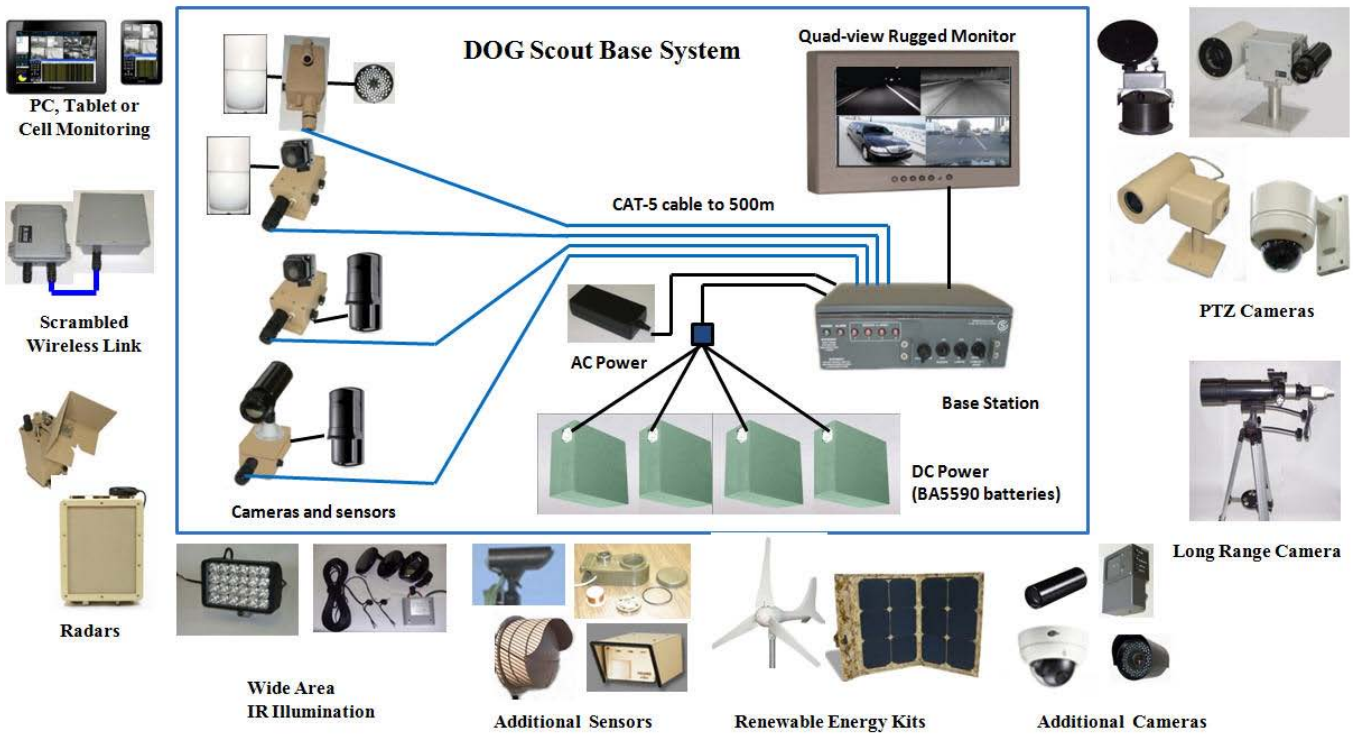
The DOG Scout system utilizes many of the components of the S4 Tech DOG system and is compatible with the current DOG system cameras, sensors, IR illuminators, PTZ units, radars, etc. In addition, the DOG Scout system provides a rugged weatherproof base station and supports several new perimeter detection sensors, ruck sack and transport packaging, and a user interface suitable for dismounted observation teams. The DOG Scout is a modular and networkable 4-channel system with a number of configurations to suit various monitoring scenarios and environments. PIR and beam break sensors along with thermal and low light CCTV cameras and video motion detection provide for perimeter monitoring under a variety of environmental conditions. The DOG Scout provides audible and visible alarm annunciation that can be switched on or off based upon tactical requirements, along with continuous assessment video.

DOG Scout Description:

As seen in the diagram below, each channel of the DOG Scout Base Station connects to a remote camera (thermal or CCTV) with up to 500m of CAT-5 cable. The remote camera then connects to a local sensor or IR illuminator via a 3m cable. The Base Station provides power to the camera and the attached sensor over the CAT-5 cable and receives alarms and video over the same cable. Additionally the Base Station can communicate with PTZ cameras, radars, and other sensors/cameras over the CAT-5 cable. The Base Station may be powered via BA5590/BB2590 batteries, any 10-36VDC source, or any 100-240VAC source or the optional renewable energy kits. Weather resistant components (including the Base Station) and connectors, and complex power management and surge suppression circuitry make the DOG Scout suitable for use in the CENTCOM environment.



DOG Scout Kit with Optional Components

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Optional kits and accessories include wide area IR illumination, long range and pan-tilt-zoom cameras, intrusion and perimeter detection sensors, radars, renewable energy (solar or wind power), and wireless capabilities as seen in the figure above. All options except the high powered wide area IR illuminators may be powered from the DOG CAT-5 cable infrastructure.

The DOG Scout Base Station provides simultaneous live video viewing, motion detection, video recording, and video playback of all 4 cameras. Pre-alarm and post-alarm recording limits can be set so that no action is missed upon alarm activation. Motion sensitivity and area masks can be set by the user along with event or schedule based recording. Sensor alarms and alarm display (audio, visible, headphones) are also configurable by the user and can support covert scenarios. The system can be viewed and controlled remotely via a web browser. Video clips may be exported through the network or an attached USB storage device.

Please contact us or visit our website for more information on the various options, configurations, and accessories for the DOG Scout Kit.

System Specifications:

- **Triplex operation: simultaneous live view, playback, and recording**
- **Live Video: 120fps/4 channels at 720x480, Recording: up to 120fps/4 channels**
- **128-250GB flash drive, minimum 2 weeks of continuous recording**
- **NTSC, VGA, and HDMI outputs for CCTV or LCD monitors**
- **Remote monitoring, control, and playback**
- **Built-in USB port for video clip exporting to any PC**
- **Configurable time and event (alarm) based recording**
- **Alarms including motion and loss of signal with pre-alarm and audio on/off**
- **Password security, networking, static IP, DHCP, PPPoE and DDNS**
- **Each component weighs less than 7lbs (most under 5) and is ruck sack portable.**
- **Power input: (100-240VAC, 50-60Hz), 10-36VDC generic, BA5590/BB2590 batt**
- **Video/power/data distribution to 500m over standard CAT-5/5e**
- **Rugged camera modules meet IP 67, oper. temp -10 to 55 deg C**
- **Choice of 3.6mm, 6mm, 8mm, and 12mm lenses on CCTV cameras**
- **Mini Thermal cameras meet IP 67**
- **Long range thermal camera meets IP 67**
- **PIR sensors meet IP 65**
- **Break beam sensors meet IP66**
- **Airline compatible transport case, illustrated user manual, training DVD**

GSA Part No: DGS-Kit-v1

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